

Notice of Allowability	Application No.	Applicant(s)	
	10/056,821	KEE ET AL.	
	Examiner	Art Unit	
	Susan Y. Chen	2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/22/06.
2. ☒ The allowed claim(s) is/are 1-10,12,24,33 and 34.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
|---|---|

Response to Amendment

Claims 1-10, 12, 24, 33-35 are pending for examination.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's attorney Jamie L. Weigand on June 7, 2006.

Amendment:

To the Application received on March 22, 2006 please modify the claims as following:

1. (Currently Amended) A computer-implemented method of updating content over a network, comprising:

receiving a second version of a file from a global server;

updating a first version of the file on an origin server with the second version of the file, wherein the second version of the file is associated with content on the origin server;

if the second version of the file is updated on the origin server, automatically replacing on a cache server each entry associated with the first version of the file with a corresponding entry in the second version of the file, wherein content on the cache server is automatically updated in response to updating of content on the origin server;

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enabling at least a first origin server to be taken offline, wherein each origin server that is taken offline includes at least some content that corresponds to content on at least a second origin server that remains online, and updating a content item on each origin server that is taken offline with at least a portion of the second version of the file; and

enabling each origin server that is taken offline to be brought back online, and updating content on the cache server that corresponds to the updated content item on each origin server that is brought back online and if the offline origin server is brought back online automatically expiring a time field for all entries of each file associated with the updated second version of the file.

24. (Currently Amended) ~~A method~~ An apparatus for updating content over a network, comprising:

means for updating a version of a file on an origin server with another version of the file, wherein the other version of the file is associated with content on the origin server;

if the other version of the file is updated on the origin server, means for automatically replacing each entry on a cache server associated with the previous version of the file with the other version of the file, wherein content on the cache server is automatically updated with other content in response to the updating of content on the origin server;

means for enabling at least a first origin server to be taken offline, wherein each origin server that is taken offline includes at least some content that corresponds to content on at least a second origin server that remains online, and means for updating a content item on each origin server that is taken offline; and

means for enabling each origin server that is taken offline to be brought back online, and means for updating content on the cache server that corresponds to the updated content item on each origin server that is brought back online, and means for

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automatically expiring a time field for all entries of each file associated with the updated content on the cache server if a respective origin server is brought back online.

33. (Currently Amended) A computer-~~implemented method~~ readable storage medium having executable computer instructions for of updating content over a network, comprising:

enabling at least a first origin server to be taken offline, wherein at least a second origin server remains online while the first origin server is taken offline;

causing a first file to be updated on the first origin server that is offline;

enabling the first origin server that includes the updated first file to be brought back online;

enabling the second origin server to be taken offline;

causing a second file to be updated on the second origin server that is offline, wherein the second file is associated with the first file; and

in response to updating one of the first or the second origin servers, automatically replacing on a cache server a file corresponding to the first file with a file corresponding to the second file, and automatically expiring a time field for all entries of each the file on the cache server corresponding to the first file if the offline origin server is brought back online.

34. (Currently Amended) The ~~method~~ computer-readable storage medium of Claim 33, further comprising enabling the second origin server that includes the updated second file to be brought back online.

35. (Canceled)

Allowable Subject Matter

Claims 1-10, 12, 24 and 33-34 are allowed.

The following is an examiner's statement of reasons for allowance:

Claims 1, 12, 24 and 33 are allowable because the prior art on record or that encountered in searching for the invention, fails to disclose or suggest the features of instant invention – if at least one of the offline origin server is bought back on-line, the cache server will automatically expire a time field for all entries of each file in the cache server that corresponds to the updated content in the bought back origin server – with all the limitations in a combination as claimed by applicant.

Claims 2-10, and 34, depend from claims 1 and 33 respectively, therefore, are allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Y. Chen whose telephone number is 571-272-4016. The examiner can normally be reached on Monday - Friday from 7:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Susan Y Chen
Examiner
Art Unit 2161

June 7, 2006



UYEN LE
PRIMARY EXAMINER